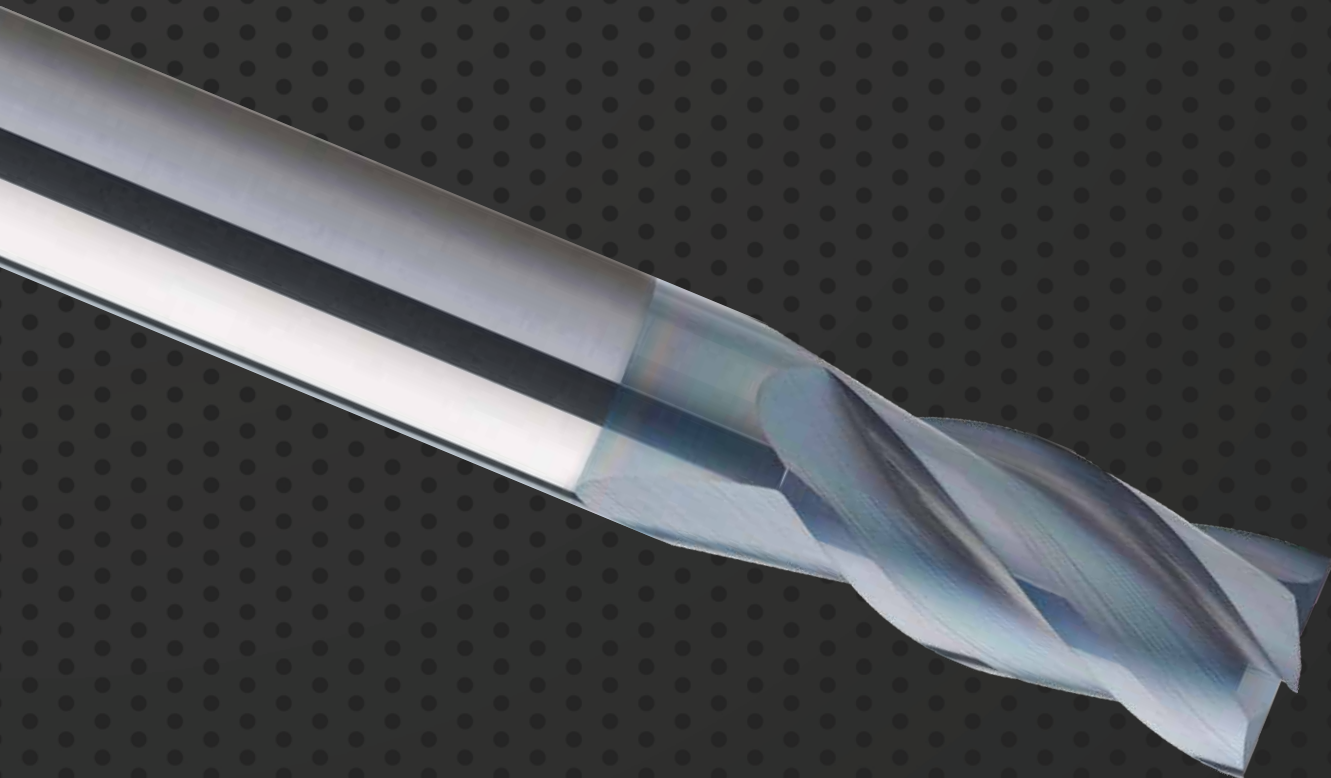




ENDMILLS

EZ LINE - ENDMILL

For material P, M, K, N application ≤ 35 HRC

Index EZ LINE - ENDMILL, For ≤ 35 HRC

 Suitable for Material Groups
  Adapté pour les matériaux
  适用于材料
 Geeignet für die Materialgruppen
  Adatto per il materiale

P	M	K
		N

	EDP Number	Type	No. Z	Helix Angle	Coating	Performance	Page Number
NEW	C76 	EZ DP/DH	4	$a^\circ \neq b^\circ$	G610	G	87

G - General P - Performance

FEATURES & BENEFITS

EZ Line - Endmill



Top View

1 Gash Land Design



Significantly improves strength and provide great chipping resistance

2 Eccentric Grinding



Optimum eccentric grinding in order to avoid rubbing, while maintaining maximum cutting tool strength.

3 Differential Pitch (DP)



- Provides excellent surface finishing while eliminating chatter
- For chatter free machining and excellent surface finish

4 Differential Helix (DH)



- Reduces machining vibrations allowing for high speed machining and increased productivity
- For chatter free machining and excellent surface finishing

5 Suitable for Material Groups





1. Stirnchliff Design
Verbessert die Leistung deutlich und bietet Schutz gegen Ausbrüche
2. Exzentrischer Schliff
Optimaler exzentrischer Schliff zur Reduzierung der Reibung unter Beibehaltung der maximalen Schneidenstabilität
3. Ungleiche Teilung (DP)
Per una lavorazione senza vibrazione e finiture superficiali eccellenti
4. Ungleiche Drallsteigung (DH)
Reduziert Bearbeitungsvibrationen und ermöglicht eine Hochgeschwindigkeitsbearbeitung und eine höhere Produktivität
Zur Schnittkraftreduzierung und Leistungssteigerung
5. Geeignet für Materialgruppen P, M, K, N



1. 底刃斜面式设计
显著提高强度, 提供极好的耐崩裂性。
2. 偏心研磨
最佳偏心研磨, 可避免摩擦, 同时保持最大切削刀具强度。
3. 不等分割設計 (DP)
有效降低加工時的振動從而, 達到更好的工件表面光潔度。
4. 不等螺旋角設計 (DH)
減少加工振動, 有效提升, 加工速度並提高生產率。
用于无颤振加工和出色的表面光潔度。
5. 适用于材料 P、M、K、N



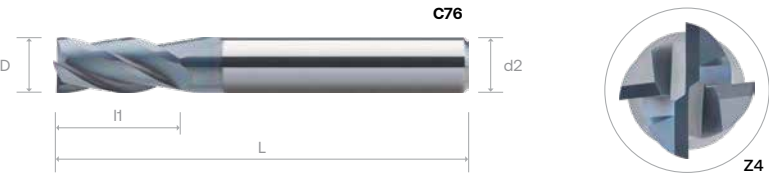
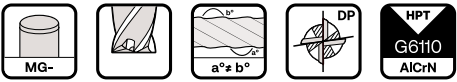
1. Struttura area sgrossatura
Migliora notevolmente la potenza e offre un'eccellente resistenza alle scheggiature
2. Levigatura orbitale
Levigatura orbitale ottimale per evitare sfregatura, garantendo la massima resistenza dello strumento di taglio.
3. Design del passo differenziale (DP)
Design del passo differenziale (DP) Riduce le vibrazioni, massimizza la produttività e la durata dell'utensile.
4. Elica differenziale (DH)
Riduce le vibrazioni di lavorazione, consentendo di lavorazioni ad alta velocità e maggiore produttività
Per ridurre le forze di taglio e migliorare le performance di lavorazione
5. Adatto per il materiale P, M, K, N



1. Conception de fraise pour l'usinage general
Améliore considérablement la solidité et apporte une excellente résistance à l'ébarbage
2. Meulage excentrique
Meulage optimal diminuant le coefficient de friction tout en maintenant une bonne acuité de l'arête de coupe
3. Conception à pas différentiel (DP)
Pour un usinage sans vibrations et un très bon état de surface
4. Conception à hélice variable (DH)
Réduit les efforts de coupes et améliore les performances d'usinage
Pour un usinage sans bavardage et un excellent état de surface
5. Adapté pour les matériaux P, M, K, N

EZ DP/DH Endmills, 4 flutes

- VHM EZ DP/DH Standard Fräser, 4 Zähne
- Frese EZ , con passo differenziale, elica variabile, 4 taglienti
- Fraises EZ DP/DH standard - 4 dents
- 整体硬质合金 EZ DP/DH 系列 4刃平底铣刀



Order Number	Dimension (mm)					G6110
	D	I1	I2	L	d2 (h6)	
C76 0100 040 03	1	3		40	3	•
C76 0150 040 03	1.5	4.5		40	3	•
C76 0200 040 03	2	6.5		40	3	•
C76 0250 040 03	2.5			40	3	•
C76 0300	3	9		40	3	•
C76 0400	4	12		50	4	•
C76 0500	5	15		50	5	•
C76 0600 060	6	16		60	6	•
C76 0800	8	20		64	8	•
C76 1000	10	22		75	10	•
C76 1200	12	25		75	12	•
C76 1400	14	32		90	14	•
C76 1600	16			90	16	•
C76 1800	18	38		100	18	•
C76 2000	20			100	20	•
C76 2500	25	40		100	25	°

Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	88
○	○	○	○	○	○			○	○								

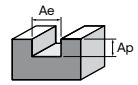
Recommended Cutting Data



Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition

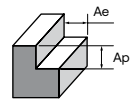


EZ DP/DH Endmills, 4 Flutes - C76



Slotting	N						K	P				M		
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel		Alloy steel		Stainless steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-		520 < Rm < 1200		High Machinability	
Cutting depth, ap	1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		0.80 x D	
Cutting Width, ae	1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	220	0.005	200	0.004	165	0.003	110	0.002	135	0.002	120	0.002	100	0.001
2		0.008		0.008		0.008		0.006		0.006		0.004		0.003
3		0.013		0.013		0.013		0.011		0.011		0.006		0.006
4		0.018		0.018		0.017		0.015		0.015		0.009		0.009
5		0.023		0.023		0.023		0.021		0.020		0.013		0.012
6		0.029		0.028		0.028		0.027		0.026		0.017		0.016
8		0.042		0.040		0.041		0.041		0.038		0.027		0.026
10		0.056		0.053		0.055		0.056		0.053		0.038		0.037
12		0.072		0.066		0.070		0.075		0.069		0.051		0.048
14		0.081		0.076		0.079		0.084		0.077		0.055		0.053
16		0.090		0.084		0.087		0.091		0.084		0.059		0.057
18		0.097		0.092		0.093		0.095		0.090		0.061		0.060
20		0.104		0.099		0.098		0.099		0.093		0.063		0.062
22		0.109		0.106		0.103		0.101		0.096		0.064		0.062
25		0.116		0.113		0.108		0.102		0.097		0.063		0.062

EZ DP/DH Endmills, 4 Flutes - C76



Side Milling	N						K	P				M		
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel		Alloy steel		Stainless steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-		520 < Rm < 1200		High Machinability	
Cutting depth, ap	1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D	
Cutting Width, ae	0.30 x D		0.30 x D		0.30 x D		0.25 x D		0.25 x D		0.20 x D		0.18 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	275	0.005	240	0.004	200	0.003	140	0.004	165	0.003	130	0.003	110	0.003
2		0.010		0.009		0.007		0.008		0.007		0.007		0.007
3		0.016		0.014		0.012		0.013		0.012		0.011		0.012
4		0.021		0.019		0.017		0.017		0.016		0.015		0.016
5		0.027		0.025		0.022		0.023		0.021		0.020		0.021
6		0.033		0.031		0.028		0.028		0.027		0.025		0.026
8		0.046		0.044		0.042		0.040		0.039		0.036		0.038
10		0.060		0.058		0.057		0.053		0.053		0.047		0.051
12		0.075		0.074		0.074		0.066		0.069		0.060		0.065
14		0.086		0.084		0.083		0.076		0.078		0.068		0.073
16		0.096		0.093		0.091		0.085		0.085		0.076		0.080
18		0.106		0.101		0.097		0.092		0.090		0.083		0.086
20		0.115		0.108		0.103		0.099		0.095		0.088		0.093
22		0.123		0.114		0.108		0.105		0.099		0.093		0.097
25		0.134		0.122		0.110		0.113		0.103		0.099		0.104

ALU LINE
 EZ LINE - ENDMILL
 SE 30
 NITCo 30
 OPTIMUM
 SE 45
 SE 45X
 NITCo 45
 SE 60
 SE 60X
 DM70 - SE 70
 SE GR
 TE 45
 PLUNGE -MILL
 THREAD MILL